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**CENTRAL FAX CENTER**

JAN 11 2005

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE***In re* Application of

Briggs and Tatum

Serial No. 10/055,174

Filed: January 25, 2002

Group Art Unit: 1645

Examiner: J. Graser

Atty. Docket No. 000295.00014

For: *LKTA* Deletion Mutant of *P. haemolytica***RESUBMISSION OF INFORMATION DISCLOSURE STATEMENT**

U.S. Patent and Trademark Office  
220 20th Street S.  
Customer Window, Mail Stop Issue Fee  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, VA 22202

Sir:

Applicants have not received an initialed copy of the PTO Form-1449 from the Information Disclosure Statement filed October 1, 2003.


Copies of the Information Disclosure Statement and cited references accompany this paper, together with a copy of our stamped postcard receipt. The receipt indicates that the U.S. Patent and Trademark Office received the Information Disclosure Statement on October 1, 2003.

Applicants respectfully request that an initialed copy of the PTO Form-1449 be returned as soon as possible.

We believe no fee is due in connection with this filing. If a fee is due, please charge our Deposit Account No. 19-0733.

Respectfully submitted,  
BANNER & WITCOFF, LTD.

Date: January 11, 2005

By:   
Lisa M. Hemmendinger  
Registration No. 42,653

Customer No. 22907

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For: <b>LKTA DELETION MUTANT OF <i>P. HAEMOLYTICA</i></b>	)	

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:


In accordance with 37 C.F.R. §§ 1.97 and 1.98, enclosed is a PTO Form-1449 listing documents for consideration by the Examiner during the prosecution of the subject application.

Please charge our Deposit Account No. 19-0733 in the amount of \$180.00 for the fee as set by 37 C.F.R. § 1.17(p).

Respectfully submitted,

Dated: October 1, 2003

By:

  
Lisa M. Hemmendinger  
Registration No. 42,653

BANNER & WITCOFF, LTD.  
1001 G Street, N.W., Eleventh Floor  
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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1448A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	10/055,174
Filing Date	January 25, 2002
First Named Inventor	BRIGGS et al.
Group Art Unit	1645
Examiner Name	J. Graser
Attorney Docket Number	000295.00014

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patented or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Swiss-Pat and TREMBL search results dated August 26, 2003	
		BOSLEGO ET AL., "Gonorrhea Vaccines", Vaccines and Immunotherapy, 1991, pp. 211-223, Chapter 17	

Examiner  
SignatureDate  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 606. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 601.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached. Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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